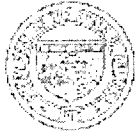


(KC)



Arizona Department of Water Resources
Groundwater Permitting and Wells
PO Box 36020 • Phoenix, Arizona 85067-36020
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

- ❖ Review instructions prior to completing form
- ❖ The drilling firm or single well licensee must file this report within 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

FILE NUMBER

D(14-13) 12 DBC

WELL REGISTRATION NUMBER

55 - 551760

** PLEASE PRINT CLEARLY **

SECTION 1. ABANDONMENT AUTHORIZATION		GROUNDWATER RESOURCES
Drilling Firm		
Mail To:	NAME YELLOW JACKET DRILLING SERVICES, LLC	DWR LICENSE NUMBER 78
	ADDRESS P.O. BOX 801	TELEPHONE NUMBER 602-453-3252
	CITY / STATE / ZIP GILBERT, AZ 85299-0801	FAX

SECTION 2. REGISTRY INFORMATION																			
Well Owner Information																			
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY	CONTACT PERSON NAME AND TITLE																		
MAILING ADDRESS 1110 WEST WASHINGTON STREET	TELEPHONE NUMBER																		
CITY / STATE / ZIP PHOENIX, AZ 85007	FAX																		
Location of Well																			
WELL LOCATION ADDRESS (IF ANY) 411 N. 5th Ave Tucson, AZ	<table border="1"> <tr> <td colspan="3">LATITUDE</td> <td colspan="3">LONGITUDE</td> </tr> <tr> <td>32°</td> <td>13'</td> <td>.618" N</td> <td>110°</td> <td>58'</td> <td>.056" W</td> </tr> <tr> <td>Degrees</td> <td>Minutes</td> <td>Seconds</td> <td>Degrees</td> <td>Minutes</td> <td>Seconds</td> </tr> </table>	LATITUDE			LONGITUDE			32°	13'	.618" N	110°	58'	.056" W	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
LATITUDE			LONGITUDE																
32°	13'	.618" N	110°	58'	.056" W														
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds														
<table border="1"> <tr> <td>TOWNSHIP (N/S)</td> <td>RANGE (E/W)</td> <td>SECTION</td> <td>160 ACRE</td> <td>40 ACRE</td> <td>10 ACRE</td> </tr> <tr> <td>14S</td> <td>13E</td> <td>12</td> <td>SE 1/4</td> <td>NW 1/4</td> <td>SW 1/4</td> </tr> </table>	TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE	14S	13E	12	SE 1/4	NW 1/4	SW 1/4	LAND SURFACE ELEVATION AT WELL 2276 Feet Above Sea Level METHOD OF LATITUDE / LONGITUDE (Check One) <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade *If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):						
TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE														
14S	13E	12	SE 1/4	NW 1/4	SW 1/4														
COUNTY ASSESSOR'S PARCEL ID NUMBER																			
BOOK 117	MAP 5																		
PARCEL 131A																			

SECTION 3.			
Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?	X		IF YES, EXPLAIN (Attach additional page if necessary) Ground Water below AQS
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE RW2
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?		X	If no, was the top 20' of casing removed prior to setting the cement plug? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Was the well backfilled above the cement plug?	X		
5. Was the well casing video logged?		X	
6. Why was the well abandoned? GW quality below AQS, closure has been granted			

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	83	10	0	53	4.5		Ø			Ø						
			53	78	4.5		Ø							Ø		.020

Condition of casing: ☒ Good ☐ Fair ☐ Poor**Existing Annular Material** (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	48			Ø								
48	83									Ø		#3

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER

68

Feet Below Land Surface

DATE ABANDONMENT COMPLETED

11/10/15

Casing Treatment						Sealing or Fill Material												
DEPTH FROM SURFACE		TREATMENT TYPE (T)					DEPTH FROM SURFACE		MATERIAL TYPE (T)								MIXING RATIO by (check one) <input type="checkbox"/> Weight <input type="checkbox"/> Volume	VOLUME OF MATERIAL USED (cubic feet)
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED	FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS				
															GROUT	CHIPS	PELLETS	
0	81												Ø					

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

☐ Standard Method ☐ Alternative 4 ☐ Other (please specify)

☐ Alternative 1 ☐ Variance Option

☐ Alternative 2 ☐ Alternative 5

☒ Alternative 3 ☐ Variance Option 1

☐ Variance Option 2

Emplacement Method of Sealing or Fill Material

CHECK ONE

☐ Gravity

☐ Pressure Grouting

☒ Tremie Pumped

☐ Other (please specify)

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE

ERIC BAUER

SIGNATURE OF QUALIFYING PARTY

[Signature]

DATE

12/17/15

RECEIVED

OCT 27 2015



Arizona Department of Water Resources
Water Management Division
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8500 • www.azwater.gov

ARIZONA DEPARTMENT
OF WATER RESOURCES

Notice of Intent to Abandon a Well

FEE
\$150.00

- ❖ Review instructions and the Well Abandonment Handbook prior to completing form with black or blue ink.
 - ❖ You must include with your Notice:
 - > Well construction diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.
 - ❖ Authority for fee: A.R.S. §45-113 and A.A.C. R12-15-104
- ** PLEASE PRINT CLEARLY ****

AMA / INA	B	SB
RECEIVED 10/27/15	DATE	WS
ISSUED 10/28/15	DATE	WGARE CERCLA
		X+V

FILE NUMBER D(14-13) 120BC
WELL REGISTRATION NUMBER 55 - 551760

SECTION 1. REGISTRY INFORMATION

Well Type CHECK ONE		Location of Well WELL LOCATION ADDRESS (IF ANY) 411 N 5th Avenue, Tucson, AZ	
<input type="checkbox"/> Domestic <input type="checkbox"/> Stock <input type="checkbox"/> Irrigation <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Monitor / Piezometer <input type="checkbox"/> Geotechnical <input type="checkbox"/> Mineral Exploration <input type="checkbox"/> Other (please specify):	TOWNSHIP (N/S) 14 S RANGE (E/W) 13 E SECTION 12 160 ACRE SE 1/4 40 ACRE NW 1/4 10 ACRE SW 1/4		
ORIGINAL WELL OWNER (IF KNOWN) Yellow Cab		COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 117 MAP 05 PARCEL 131A COUNTY WHERE WELL IS LOCATED PIMA	
ORIGINAL WELL DRILLING FIRM (IF KNOWN) H-F Drilling	DRILL DATE (IF KNOWN) 10-16-1995		
		LATITUDE LONGITUDE Degrees Minutes Seconds Degrees Minutes Seconds METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade *IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):	

SECTION 2. OWNER INFORMATION

Well Owner FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL AZ Department of Environmental Quality	Landowner (if different from Well Owner) FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL United Fire
MAILING ADDRESS 1110 W. Washington Street	MAILING ADDRESS 355 N 4th Avenue
CITY / STATE / ZIP CODE Phoenix, AZ 85007	CITY / STATE / ZIP CODE Tucson, AZ 85705
CONTACT PERSON NAME AND TITLE John Robertson	CONTACT PERSON NAME AND TITLE Bob Begany, Branch Manager
TELEPHONE NUMBER 602.771.5268 FAX 602.771.4346	TELEPHONE NUMBER 520-622-3639 FAX

SECTION 3. ABANDONMENT AUTHORIZATION

Drilling Firm NAME Yellow Jacket Drilling, LLC		Consultant (if applicable) CONSULTING FIRM Atwell, LLC	
DWR LICENSE NUMBER 78	ROC LICENSE CATEGORY A-4	CONTACT PERSON NAME Rich Petrus	
TELEPHONE NUMBER 602-453-3252	FAX 602-453-3258	TELEPHONE NUMBER 480-218-8831	FAX 480-830-4888
		E-MAIL ADDRESS rpetrus@atwell-group.com	

SECTION 4.

Questions	Yes	No	If Yes:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be, or is contaminated?	X		EXPLAIN (ATTACH ADDITIONAL PAGE IF NECESSARY) Recent groundwater sample results are below ADEQ Aquifer Water Quality Standards. Closure has been granted
2. Is there another well name or identification number associated with this well? (e.g., Lot 3 Well, MW-1, etc.)	X		PLEASE STATE RW-2
3. Was the well casing video logged?		X	
4. Why is the well being abandoned?	See 1 above. GW quality is below the AWQS, so closure has been granted.		

Notice of Intent to Abandon a Well

Provide a well construction diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.

WELL REGISTRATION NUMBER
55 - 551760

SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	83	10	0	53	4.5		X				X					
			53	78	4.5		X						X			0.020"-slot

Condition of casing: ☒ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)							FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
					GROUT	CHIPS	PELLETS					
0	48			X								
48	83									X		#3

SECTION 6. PROPOSED WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information.

DATE ABANDONMENT IS TO BEGIN
February 23, 2015

Casing Treatment						Sealing or Fill Material														
DEPTH FROM SURFACE		TREATMENT TYPE (T)				DEPTH FROM SURFACE		MATERIAL TYPE (T)								MIXING RATIO by (check one) <input type="checkbox"/> Weight <input checked="" type="checkbox"/> Volume	ESTIMATED VOLUME OF MATERIAL (cubic feet)			
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING IS TO BE PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS TO BE ADDED	FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE	GROUT			CHIPS	PELLETS	SAND
							0	78				X								

Proposed Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
☐ Alternative 1
☐ Alternative 2
☒ Alternative 3
☐ Alternative 4:
 ☐ Variance Option *
☐ Alternative 5:
 ☐ Variance Option 1*
 ☐ Variance Option 2*
- * requires a letter requesting a variance

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
☐ Pressure Grouting
☒ Tremie Pumped
☐ Other (please specify):

REMARKS

I state that this notice is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE
John Robertson, Project Manager

SIGNATURE OF WELL OWNER

John Robertson

DATE
10/27/15

TYPE OR PRINT NAME AND TITLE
Bob Begany, Branch Manager-United Fire

SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS)

DATE

Arizona Department of Water Resources

3550 N Central Ave.
Phoenix AZ 85012

Customer:

RICHARD T PETRUS
10064 E CALLE DE CIELO CIRCLE
SCOTTSDALE, AZ 85258

Receipt #: 16-42234
Office: MAIN OFFICE
Receipt Date: 10/27/2015
Sale Type: Mail
Cashier: WRSYM

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
9100	15239	4439-12	WELL ASSIGNMENTS/CHANGE OF WELL OWNERSHIP	*see notes	7	30.00	210.00
66330	15245	4439-6H	NOTICE OF INTENT TO ABANDON A WELL	*see notes	7	150.00	1,050.00
RECEIPT TOTAL:							1,260.00

Payment type: CREDIT CARD

Amount Paid: \$1,260.00

Payment Received Date: 10/27/2015

Notes: 7 wells: 55-577676, 552813, 529982, 529980, 529981, 551760, 529979

Authorization 150562681

Transaction Receipt

Arizona Water Resources
Arizona Water Resources
MID:347501639533
1700 W Washington St
Phoenix , AZ 85012
602-771-8454

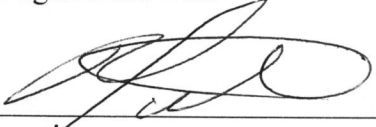
10/27/2015 10:06AM
Remittance ID
Arizona102715130134142Mur
Transaction ID:
150562681

RICHARD PETRUS
10064 E Calle De Cielo Circle
SCOTTSDALE, Arizona 85258
United States
Visa - 5507
Approval Code: 09356D

Sale
Amount: \$1,260.00

55-577676 - 55-552813 - 55-529982 - 55-529980 - 55-529981 - 55-551760 - 55-529979
n/a
Time Tracking
0
samurillo@azwater.gov

Cardmember acknowledges
receipt of goods and/or
services in the amount of
the total shown hereon and
agrees to perform the
obligations set forth by the
cardmember's agreement with
the issuer.

Signature 
[click here](#) to continue.



Arizona Department of Water Resources
Water Management Division
P.O. Box 36020 Phoenix, Arizona 85067-6020
(602) 771-8527 • www.azwater.gov

RECEIVED

OCT 27 2015
Request to Change Well Information

ARIZONA DEPARTMENT
OF WATER RESOURCES

FILE NUMBER

WELL REGISTRATION NUMBER
55-551760

- ❖ Review instructions prior to completing form in black or blue ink.
 - ❖ You must include with your Notice:
 - check or money order for any required fee(s)
 - ❖ Authority for fee: A.R.S. § 45-113 and A.A.C. R12-15-104
- ** PLEASE PRINT CLEARLY **

SECTION 1. REGISTRY INFORMATION

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL AZ DEPT. of Environmental Quality		WELL LOCATION ADDRESS (IF ANY) 411 N 5th Ave Tucson AZ 85705					
MAILING ADDRESS 1110 W. Washington St		TOWNSHIP (N/S) 14S	RANGE (E/W) 13E	SECTION 12	160 ACRE SE 1/4	40 ACRE NW 1/4	10 ACRE NW 1/4
CITY / STATE / ZIP CODE Phoenix, AZ 85007		LATITUDE 32° 13' 36" N Degrees Minutes Seconds		LONGITUDE 110° 58' 03" W Degrees Minutes Seconds			
CONTACT PERSON NAME AND TITLE John Robertson Project Manager		METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input checked="" type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Hand-Held *IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):					
TELEPHONE NUMBER 602 771 4269	FAX 602 771 4346	COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 117 MAP 65 PARCELS 131A				COUNTY WHERE WELL IS LOCATED PIMA	

Type of Request (CHECK ONE)

- ☐ Change of Well Drilling Contractor (Fill out Section 2)
☒ Change of Well Ownership (Fill out Section 3)
☐ Change of Well Information (location, use, etc.) (Fill out Section 4)

SECTION 2. REQUEST TO CHANGE WELL DRILLING CONTRACTOR

FEE \$120 per Well

- ❖ If drilling or abandoning a well, the Department must receive this request and issue authorization to the new drilling firm prior to the commencement of well drilling or abandonment.

Current Well Drilling Contractor		New Well Drilling Contractor	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	
DWR LICENSE NUMBER		DWR LICENSE NUMBER	ROC LICENSE CATEGORY
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER	FAX

SECTION 3. STATEMENT OF CHANGE OF WELL OWNERSHIP

FEE \$30 per Well

Previous Well Owner		New Well Owner	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL YELLOW CAB		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL AZ DEPT of Environmental Quality	
MAILING ADDRESS 156 E. MOJAVE		MAILING ADDRESS 1110 W. WASHINGTON ST	
CITY / STATE / ZIP CODE Phoenix, AZ 85004		CITY / STATE / ZIP CODE Phoenix, AZ 85007	
CONTACT PERSON NAME AND TITLE William Arnet		CONTACT PERSON NAME AND TITLE John Robertson	
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER 602 771 4269	FAX 602 771 4346

SECTION 4. CHANGE OF WELL INFORMATION (No Fee Required)

NOTE: Applies only to wells that have already been drilled. For proposed wells, an amended Notice of Intent to Drill a Well must be filed.

EXPLAIN

SECTION 5. OPTIONAL BY PROPERTY OWNER AND WELL OWNER ONLY

- ☐ By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. (See instructions.)

SECTION 6. WELL OWNER SIGNATURE

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.	
TYPE OR PRINT NAME AND TITLE John Robertson Project Manager	SIGNATURE OF WELL OWNER John Robertson
	DATE 10/23/15

ARIZONA DEPARTMENT of WATER RESOURCES

3550 North Central Avenue, Second Floor

Phoenix, AZ 85012

602-771-8500

azwater.gov



October 28, 2015

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
1110 WEST WASHINGTON STREET
ATTN: JOHN ROBERTSON, PROJECT MGR
PHOENIX, AZ 85007

Registration No. 55- 551760
File Number: D(14-13) 12 DBC

DOUGLAS A. DUCEY
Governor

THOMAS BUSCHATZKE
Director

Dear Well Owner:

Enclosed is a copy of the Notice of Intent to Abandon a Well (NOI) which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed an abandonment authorization card to your designated well drilling contractor. The driller may not begin abandonment until he/she has received the authorization, and must keep it in their possession at the well site during the abandonment.

The well abandonment authorization card and a blank Well Abandonment Completion Report form (form 55-58) have been sent to your driller. Arizona statute [A.R.S. § 45-594] requires the driller to furnish the Department with a complete and accurate Well Abandonment Completion Report within thirty (30) days after completion of abandonment. Arizona statute also requires a well owner to submit a Well Owner's Notification of Abandonment form (form 55-36) within thirty (30) days after the well has been properly abandoned. A copy of the form is enclosed for your convenience. An electronic copy (compact disc or electronic file) of all video logs, if performed, must be included with the well owner's notification or Well Abandonment Completion Report. You should insist, and ensure, all of this is done.

If you change drillers, you must supply the Department with the new driller's identity on a Request to Change Well Information form (form 55-71A). Well abandonments shall be performed only by a licensed well drilling contractor or single well licensee.

Sincerely,

A handwritten signature in dark ink, appearing to read "David Chen", is written over a horizontal line.

Groundwater Permitting and Wells Section

ARIZONA DEPARTMENT OF WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012

ABANDON

NOTICE! This well is located in or near an area of groundwater contamination (WQARF/CERCLA/DOD or Other). Be advised that special requirements may apply.

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: **55-551760**

AUTHORIZED DRILLER: **YELLOW JACKET DRILLING SERVICES, LLC**

LICENSE NO: **78**

NOTICE OF INTENTION TO ABANDON ENV - MONITOR OR PIEZOMETER WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY 1110 WEST WASHINGTON STREET ATTN: JOHN ROBERTSON, PROJECT MGR PHOENIX, AZ, 85007**
THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW 1/4 of the **NW** 1/4 of the **SE** 1/4 Section **12** Township **14.0 SOUTH** Range **13.0 EAST**

NO. OF WELLS IN THIS PROJECT:

ASSESSOR'S PARCEL NO: **117-5-131A**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF

[Handwritten Signature]

GROUNDWATER PERMITTING AND WELLS

THE DRILLER MUST FILE A WELL ABANDONMENT COMPLETION REPORT WITHIN 30 DAYS OF ABANDONMENT.



MONITOR/PIEZOMETER WELL

ARIZONA DEPARTMENT OF WATER RESOURCES

MONITOR/PIEZOMETER WELL

FILING FEE \$10.00

Operations Division
500 NORTH THIRD STREET
PHOENIX, ARIZONA 85004 (602) 417-2470

FILING FEE \$10.00

NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

Section § 45-596, Arizona Revised Statutes provide: Prior to drilling a monitor or piezometer well, a Notice of Intention to Drill shall be filed with the Department.

1. WELL LOCATION: RW-2
14 South 13 East 12
 Township Range Section
SW 1/4 NW 1/4 SE 1/4
10 ACRE 40 ACRE 160 ACRE

2. Position location of the well on the land:
 Latitude 32 ° 13 ' 36 "
 Longitude 110 ° 58 ' 1 "

3. County: Maricopa PIMA

4. Owner of the land of wellsite:
Yellow Cab Company of Tucson
 Name
129 East Pima Street
 Address
Phoenix, Arizona 85004
 City State Zip

5. Lessee of the land of wellsite:
N/A
 Name
 Address
 City State Zip

6. Owner of well:
Yellow Cab Company of Tucson
 Name
129 East Pima Street
 Address
Phoenix, Arizona 85004
 City State Zip

7. Consulting Basin & Range Firm: Hydrogeologists, Inc.
 Contact Person: Philip J. Lagas
 Phone: (602) 840-3333

8. Purpose of well drilled pursuant to this notice

Monitor X
 Piezometer

9. If for deepening or modifying, Well Registration Number

55- N/A

10. Construction will start:
October 2 1995
 Month Day Year

11. Period well will remain in use 10 Years

12. For monitoring wells, is pump equipment to be installed?

Yes No X

(a) If yes, design pump capacity N/A

(b) What use will be made of the water N/A

13. Drilling firm:

H-F Drilling, Inc.
 Name
2420 South 16th Avenue
 Address
Phoenix, Arizona 85007
 City State Zip
 DWR License No. 529
A-04
 ROC License classification

14. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous material or petroleum storage areas and tanks?
 Yes No X

SPECIAL REQUIREMENT

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

File No. D(14-13)12 DBC
 Filed 9/8/95 By dh
 Input By

DUPLICATE

Mailed 9/25/95 By dh
 Registration 55- 551760
AMAZONA TUCSON
 W/S 09 S/B 16
 ENTERED OCT 6 2 1995

VARIANCE GRANTED

16. Proposed method of abandonment of well after project is completed: Backfill from total depth to the surface using cement bentonite grout.
17. Is this well to monitor existing contamination? Yes Potential contamination Yes Please explain: Well will be used to recover free product associated with a release of gasoline from an underground storage tank system.

GENERAL INSTRUCTIONS

- Fill out this form in **DUPLICATE** and send **WITH \$10.00 FEE** to 500 North Third Street, Phoenix, AZ 85004.
- For specific instructions, limitations and conditions, see the reverse side of this form.
- Must be signed by land owner or lessee.
- Section § 45-596(D), provides that the Director shall determine that all information required on form has been submitted. If not, the person filing will be notified and the drilling, deepening, or modification of the well may not proceed.

I state that Notice is filed in compliance with Section § 45-596 and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

James M. Holshouser

Typed or Printed Name

Signature [X] Land Owner [] Lessee of wellsite

Sept 7, 1995
 Date

18. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact?
Mr. Michael Skinner
- If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact?
N/A

19. WELL CONSTRUCTION PLAN

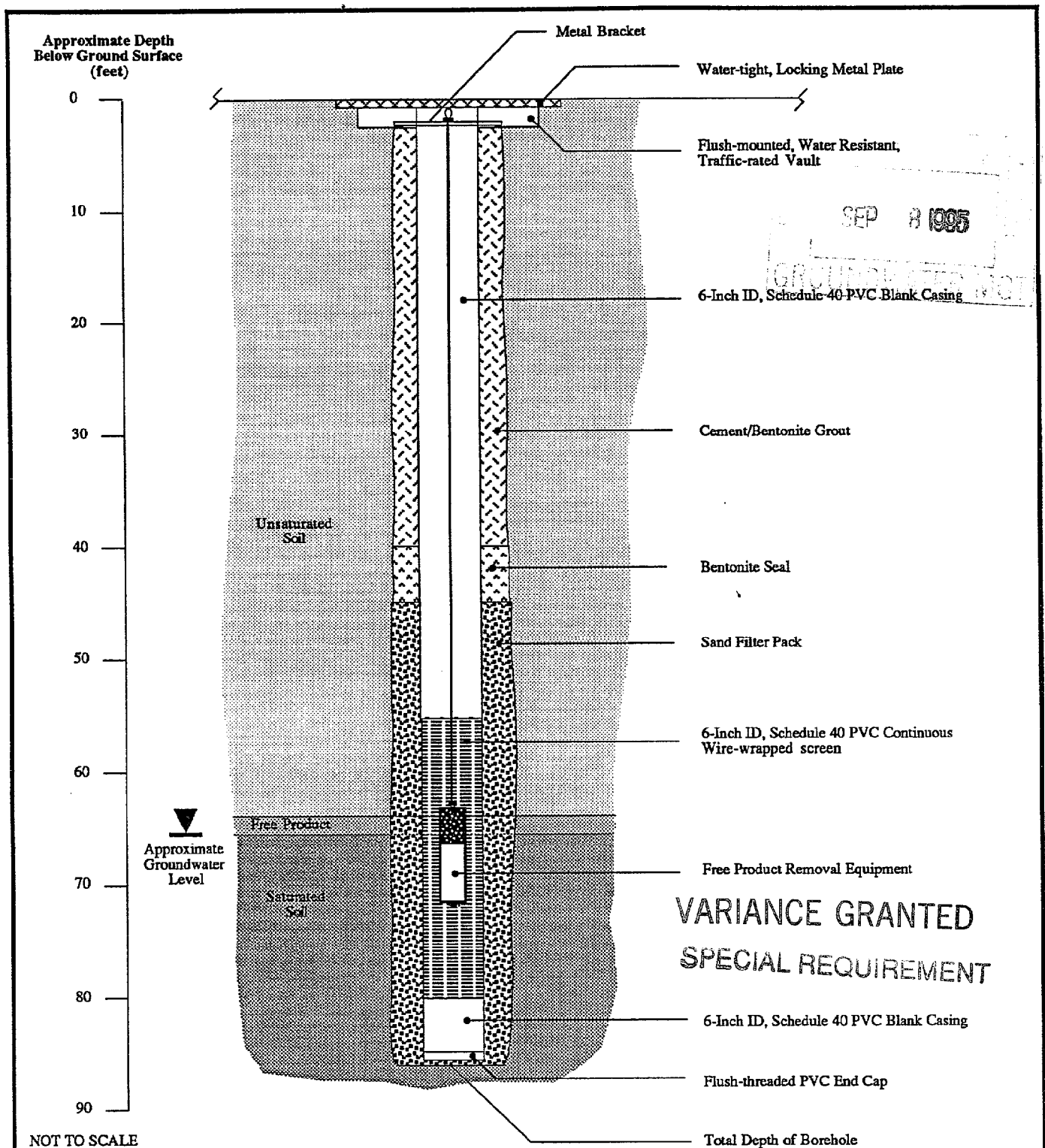
- a) Drilling method (mud rotary, hollow-stem auger, etc.) hollow stem auger
- b) Borehole diameters: 14 inches from 0 feet to 87 feet.
N/A inches from _____ feet to _____ feet.
- c) Casing materials (PVC, steel, hollow-stem auger, etc.)
material PVC diameter 6 inches from 0 feet to 85 feet
material N/A diameter _____ inches from _____ feet to _____ feet
- d) Method of sealing at reductions N/A
- e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated)
material cement bentonite grout method tremied from surface feet to 40 feet
material bentonite pellets method tremied from 40 feet to 45 feet
- f) Filter packs (state material):
material 8-12 Colorado silica sand or equivalent from 45 feet to 87 feet
material N/A from _____ feet to _____ feet
- g) Perforations or screen specifications:
type no. 20 wire wrapped PVC well screen from 55 feet to 80 feet
type _____ from _____ feet to _____ feet
- h) Method of well development (bail, air lift, surge) bail and surge; pump using a submersible
- i) Will surface or conductor casing extend above grade: Yes _____ No X

20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

A well construction diagram is provided in Exhibit 1. The well will be completed below grade with a locking vault. A Request for Variance letter prepared by the drilling firm is attached.

CONDITIONS

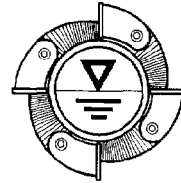
- I. Construction and abandonment standards for all wells shall be in accordance with A.A.C. R12-15-811 and R12-15-816.
- II. Drilling of the well shall be completed within one (1) year after the date of Notice.
- III. A Well Driller Report, is required within 30 days of completion of drilling. A Completion Report, is required to be filed with the Department within 30 days after installation of pump equipment for monitor wells.
- IV. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual volume of 10 acre feet total.
- V. A.A.C. Rule R12-15-811.H.2., requires that: "A monitor well shall be identified as such on the vault cover or at the top of the steel casing. Identification information will include well registration number."
- VI. Special construction standards required pursuant to A.A.C. Rule R12-15-821:



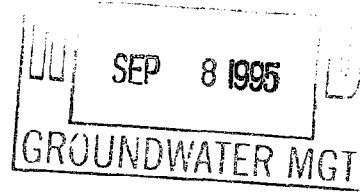
CLIENT: YELLOW CAB COMPANY OF TUCSON	PROPOSED DESIGN FOR RECOVERY WELL RW-3	EXHIBIT 1
FILE NO.: 94314.008	BASIN & RANGE	DATE: SEPTEMBER 5, 1995

H-F DRILLING, INC.

geotechnical and environmental drilling



August 28, 1995



RECEIVED

AUG 30 1995

BASIN & RANGE
HYDROGEOLOGISTS

Operations Division
Arizona Department of Water Resources
500 North 3rd Street
Phoenix, Arizona 85004

Attention: Ms. Kane

Subject: Request For Variance

Dear Ms. Kane:

On behalf of Basin and Range, ^{one} H-F Drilling, Inc. requests a variance in construction of ~~two~~ groundwater monitoring wells at the Yellow Cab Company of Tucson located at Township 14 South, Range 13 East, Section 12 in Tucson, Arizona.

The groundwater monitoring wells will be used to investigate a petroleum hydrocarbon potentially contaminated area at the site. We request the following construction variances:

1. The wells will be constructed with SCH 40 PVC casing in the top 20 feet of the well in lieu of steel casing.
2. The wells will be completed in a water-tight, traffic-rated flush grade vault.

Thank you for your attention to this request for variance. If you have any questions, please feel free to call.

Sincerely,

Ray Quintero
Field Supervisor

ARIZONA DEPARTMENT OF WATER RESOURCES

Hydrology Division

500 North Third Street, Phoenix, Arizona 85004

Telephone (602) 417-2448

Fax (602) 417-2425

September 18, 1995



FIFE SYMINGTON
Governor

RITA P. PEARSON
Director

H-F Drilling, Inc.
2420 S. 16th Avenue
Phoenix, Arizona 85007

ATTN: Mr. Quintero

Re: **Variance for Construction of One Monitor Well**
Registration Number 55-551760

Dear Mr. Quintero:

The Arizona Department of Water Resources received your request dated August 28, 1995 for a variance for construction of one monitor well to be located in Maricopa County. The purpose of this well will be to evaluate potential groundwater contamination.

The Arizona Department of Water Resources approves this request for the following variance:

- Thermoplastic casing (riser) with a watertight cap may be used in lieu of steel casing (R12-15-811.B.1).

The following *special requirements* are conditions for this variance (R12-15-821.):

- The well shall be completed flush-to-ground with vandalproof, traffic-rated vaults per ASTM Standard Guide D5092, Section 8.9.2.3.
- The PVC inner casing (riser) shall comply with ASTM Standard Guide D5092, Section 6.5.
- Well construction shall comply with the "Variance Granted" Notice of Intention to Drill.
- The well shall be abandoned (decommissioned) per ASTM Standard Guide D5299, Section 7.3.8.

If you have any questions, please contact Sharon Masek of my staff at (602) 417-2400 ext. # 7185.

Sincerely,

Greg Wallace
Chief Hydrologist

ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION
500 North Third Street
Phoenix, Arizona 85004-3903

VARIANCE GRANTED

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO: 55-551760

AUTHORIZED DRILLER: H-F DRILLING, INC.

LICENSE NO: 529

NOTICE OF INTENTION TO DRILL A MONITOR WELL HAS BEEN FILED WITH THE DEPARTMENT BY:

CONSULTANT: BASIN & RANGE

WELL OWNER: YELLOW CAB CO. OF TUCSON

The well(s) is/are to be located in the:

SW 1/4 of the NW 1/4 of the SE 1/4 Section 12 Township 14S Range 13E

No. of wells in this project: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 7TH DAY OF SEPTEMBER, 1996.



CHIEF, GROUNDWATER MANAGEMENT SUPPORT



**THE DRILLER MUST FILE A LOG OF THE WELL
WITHIN 30 DAYS OF COMPLETION OF DRILLING**

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North Third Street, Phoenix, Arizona 85004

Telephone (602) 417-2470

Fax (602) 417-2422

September 27, 1995

Yellow Cab Company of Tucson
129 East Pima Street
Phoenix, AZ 85004

RE: Registration No. 55-551760
File No. D(14-13)12DBC

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use. If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

Sincerely,

Dorothy Boggs
Groundwater Permit Specialist

RECEIPT

NO 23275

BASIN & RANGE HYDROGEOLOGISTS, INC.
5080 N. 40TH STREET STE. 105
PHOENIX, AZ 85018

YELLOW CAB COMPANY OF TUCSON

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
500 NORTH THIRD STREET
PHOENIX, ARIZONA 85004
(602) 417-2405

ENTRY CODE 55

FILE NO. 55-551760 THRU

ITEM DESCRIPTION	RATE	AMOUNT
FILING FEE FOR NOI TO DRILL A WELL	10.00	10.00
REG. NO. 55-551760		
FILE NO. D(14-13)12DBC		

PAID

CHECK NO. 6209 FEE ACCOUNT NO. _____ TOTAL \$ 10.00

CHIT NO. _____ RECEIVED BY DB DATE 09-27-95

IPS 1821 - Rev. 4/91